

Changes Enacted at the World Radiocommunications Conference-97
Affecting the Office of Earth Science

Band	Low (GHz)	High (GHz)	OES Instruments (+allied S/C, instruments,...)	Old Allocation (pre WRC-97)	New Allocation (Post WRC-97)	Other Primary Services (Sharing the band)	Comments
P	0.43	0.44	Proposed SAR?	None	None	Radiolocation, Amateur	WIN? US position
L	1.215	1.3	SAR(JERS-1, LightSAR)	Footnoted secondary active	PRIMARY ACTIVE	Radiolocation, Radionavigation-S/C	WIN-Upgraded
L	1.559	1.610	GPS	PRIMARY S-E	No Change, Want Space-Space	Aeronautical Radionavigation	CHALLENGE/DRAW in WRC-99 Agenda
S	2.025 2.200	2.110 2.290	Most Command, Tracking Most Telemetry	PRIME E-S, S-S PRIME S-E, S-S	No Change, but no high density mobile	Fixed, Mobile, Space Ops	WIN-EXCLUDED high density mobile
S	3.1	3.3	CIS S/C	Footnoted secondary active	Secondary active IN TABLE	Radiolocation	PARTIAL WIN - out of footnotes
C	5.25	5.35	ALT, AMI, SSALT SAR(RADARSAT), SRTM	Footnoted secondary active	PRIMARY ACTIVE	Radiolocation	WIN-Upgraded
C	5.35	5.46	Future RADARSAT	None	PRIMARY ACTIVE	Aeronautical Radionavigation	UNEXPECTED WIN Extended, Canadian
X	8.025	8.4	Most OES S/C science data downlinks	PRIMARY-Reg. 2 Secondary 1,3	PRIMARY WORLDWIDE S-E	Fixed, Fixed-Satellite, Mobile	WIN-Upgraded to Worldwide
X	8.55	8.65	Foreign S/C	Foot'd sec. active	PRIMARY ACTIVE	Radiolocation	WIN-Upgraded
X	9.5	9.8	Foreign S/C, SRTM?	Foot'd sec. active	PRIMARY ACTIVE	Radiolocation, Radionav.	WIN-Upgraded
K	13.25	13.75	SeaWINDS, SSALT, ALT	Footnoted secondary active	PRIMARY ACTIVE	Aeronautical Radionav., Radiolocation, time/freq.	WIN-Upgraded & extended
Ku	17.2	17.3	Unknown	Secondary active	PRIMARY ACTIVE	Radiolocation	WIN-Upgraded
Ku	18.6	18.8	JMI, AMSR, AMSR-E	PRIMARY- Reg.2, Secondary in 1, 3	PRIMARY -Reg. 2, Secondary in 1, 3.	Fixed, Fixed-Satellite, Mobiles	<u>DRAW-TABLED</u> <u>UNTIL WRC-99</u>

Ka	25.5	27.0	Next OES Wideband Downlink	Secondary S-E	PRIMARY S-E, Limiting footnotes	Fixed, Intersat, Mobile	WIN-Upgraded Worldwide.
Ka	35.5	36.0	Future	None	PRIMARY ACTIVE	Met. Aids, Radiolocation	WIN-New Allocation
	50.2	50.4	AMSR, AMSU	PRIMARY PASS.	NO CHANGE	Mobile, Space Res.	WIN-EXIT FIXED
	51.4	59.3	AMSR, AMSU, MSU	PRIMARY PASSIVE/NONE	PRIMARY PASSIVE	Space Research (passive), Mixed-mobile, fixed	WIN-HARMONIZED
	71.0	300.0	AMSR, MIMR, TMI,MHS, ...	Mixed, PRIME	NC-Reallocate	Mixed	WIN-in WRC-99
	94	94.1	Future Cloud Radars	None	PRIMARY ACTIVE	Fixed, Fixed-Satellite, Mobile, Radiolocation	WIN-NEW ALLOCATION